

Title (en)

DYNAMIC SPINAL STABILIZATION DEVICES AND SYSTEMS

Title (de)

DYNAMISCHE WIRBELSÄULENSTABILISIERUNGS-VORRICHTUNGEN UND SYSTEME

Title (fr)

DISPOSITIFS ET SYSTEMES DE STABILISATION SPINALE DYNAMIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007061960A2] A dynamic spine stabilization element (170) of a spine stabilization assembly includes first and second spinal rod segments (174, 176) that are coupled to one another via a connector (172). The connector (172) allows movement of a spinal rod segment (174, 176) with respect to the coupling device and/or with respect to another spinal rod segment. This provides limited angulation (e.g. bending) between spinal rod segments allowing for limited movement of the vertebra connected by the present dynamic stabilization element. The connector (172) may allow pivoting motion of the rod segments (174, 176) relative to the coupling device and relative to the other rod segment such as pivoting motion of one rod segment in a first plane and pivoting motion of the other rod segment in a second plane that is perpendicular to the first plane. The connector (172) may also be bendable or flexible. In this form, the connector (172) allows limited flexing, bending or angulation as between the associated spinal rod segments during use. Moreover, ends of the spinal rod segments may be configured to prevent or limit rotation of the spinal rod segments. The configured ends may cooperate with the coupling device to achieve the limitation on rotational movement.

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